

Fig. 1

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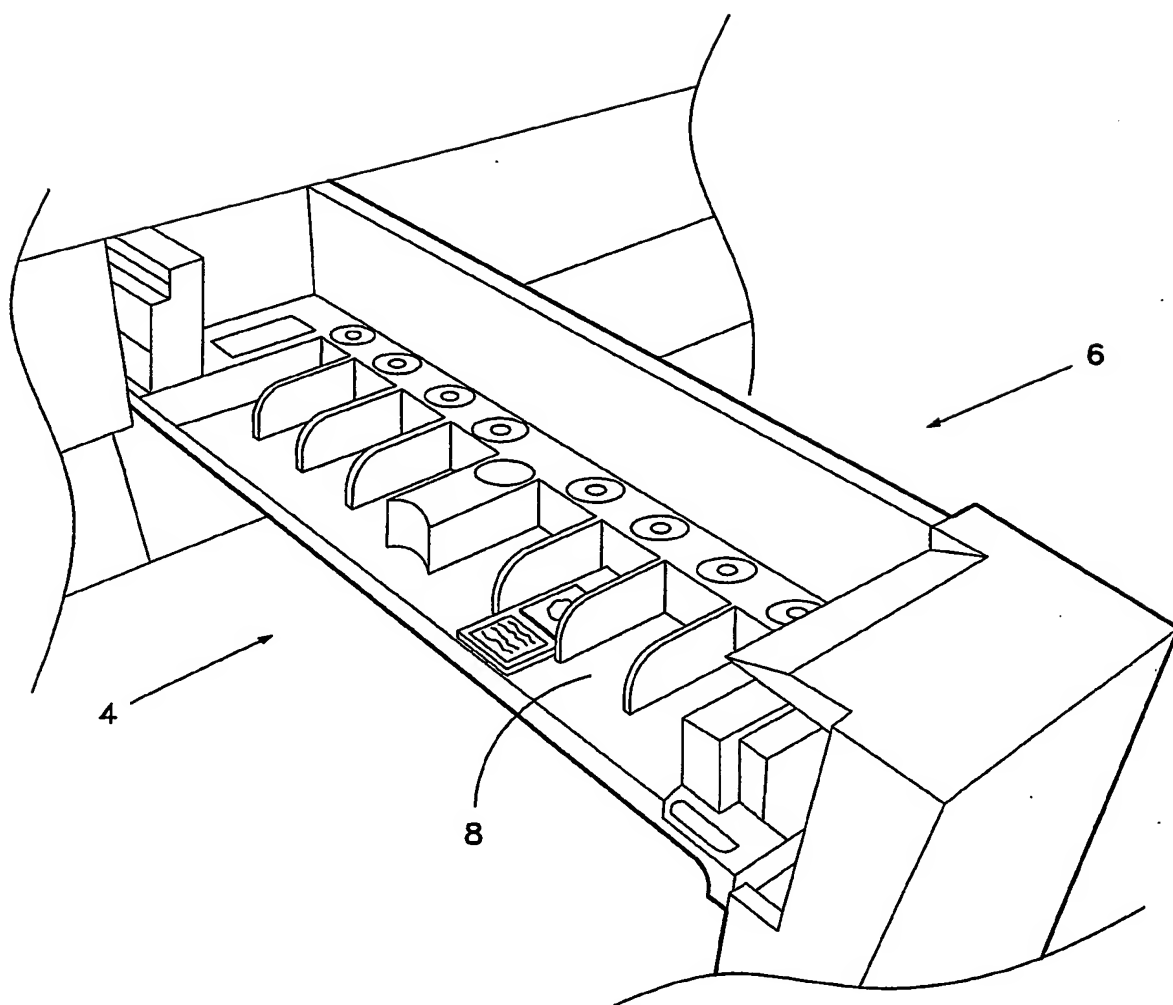


Fig. 2

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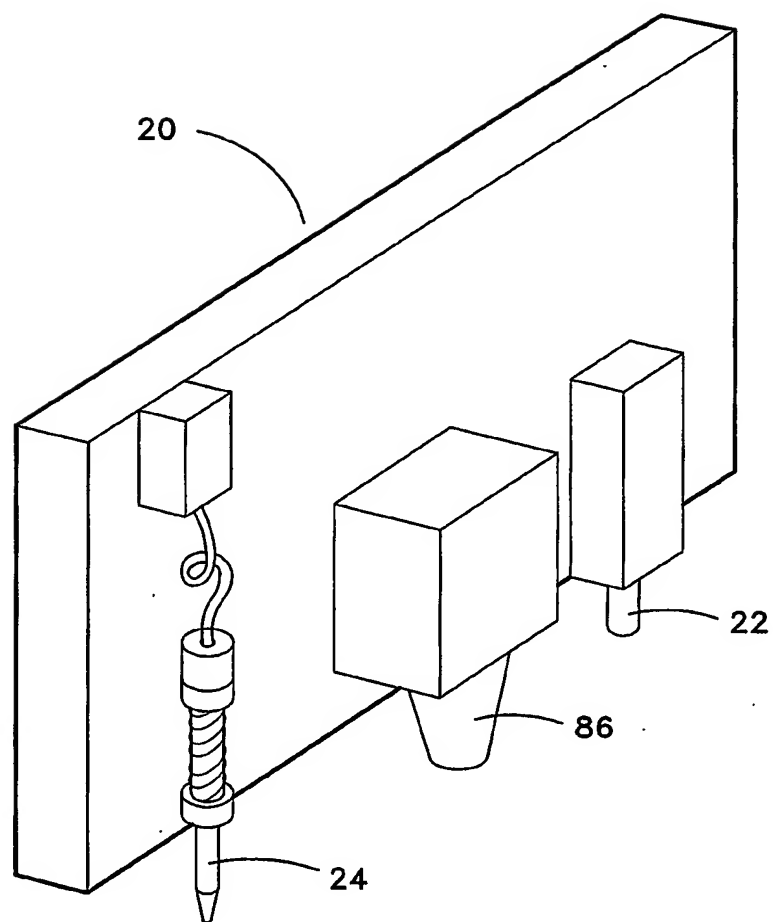


Fig. 3

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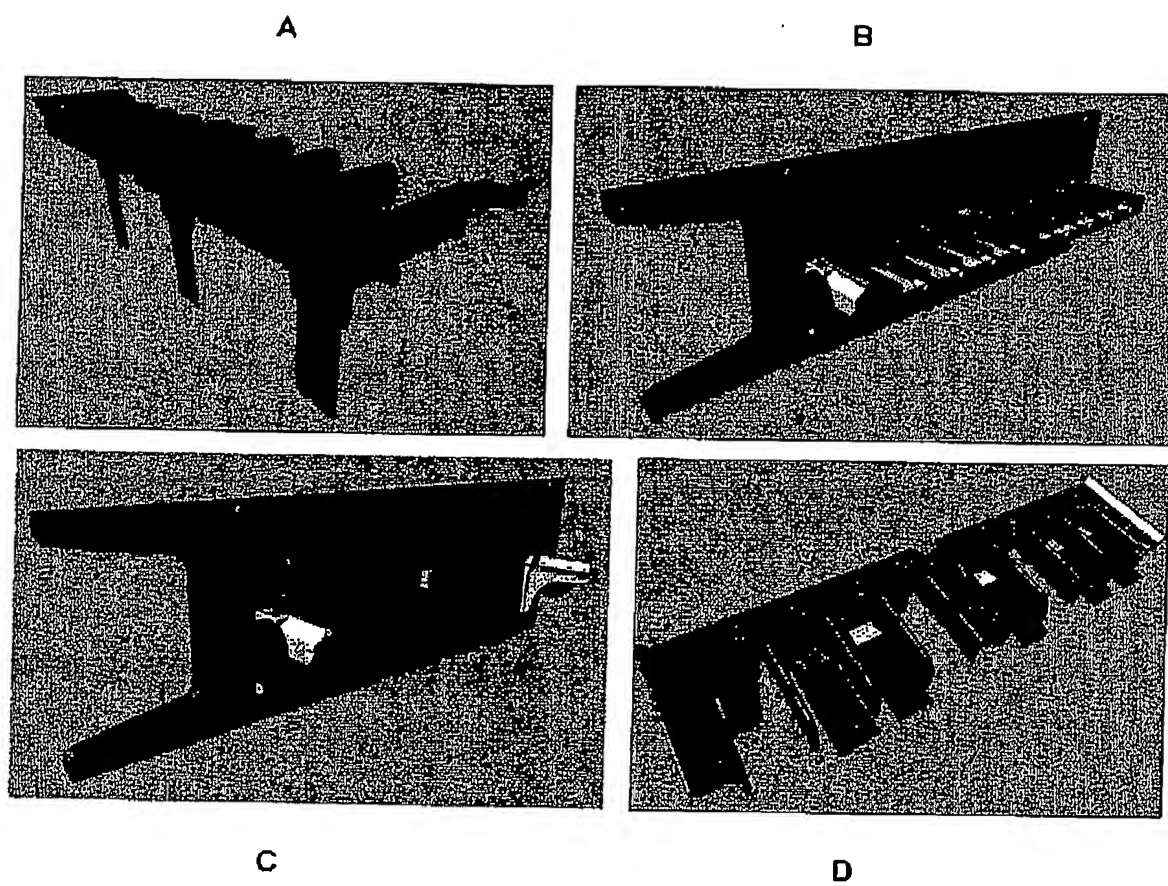
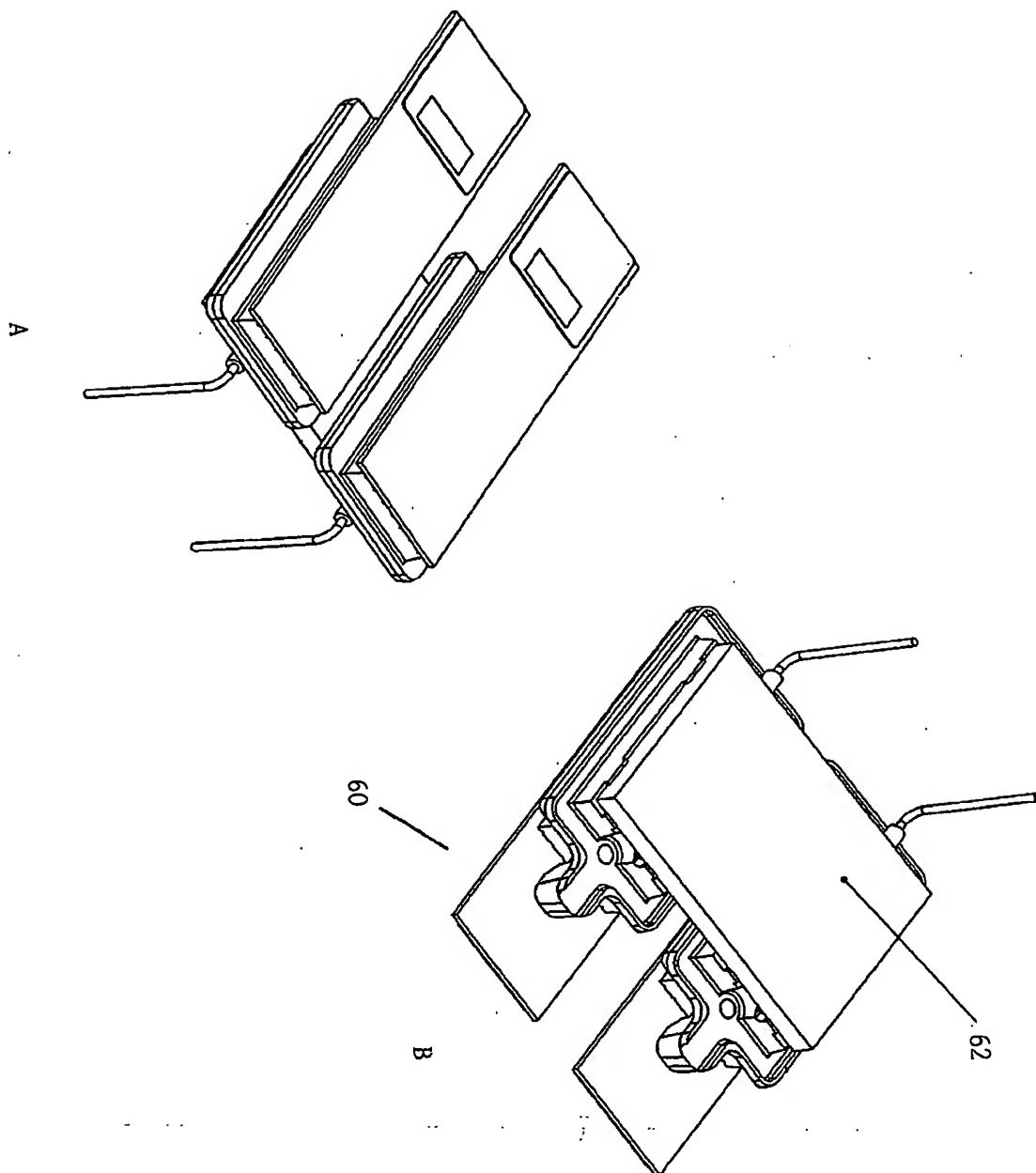


Fig. 4



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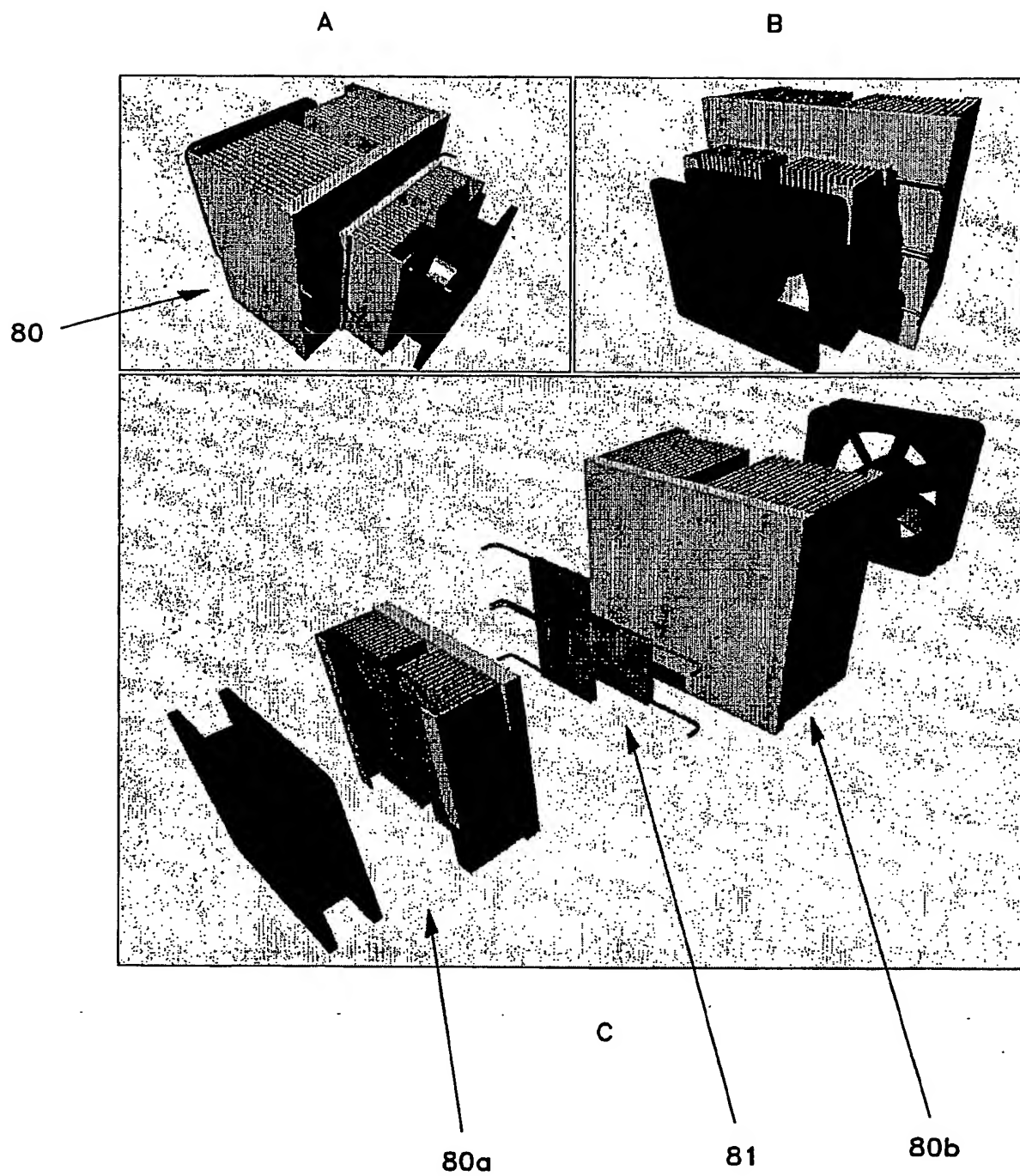


Fig. 6

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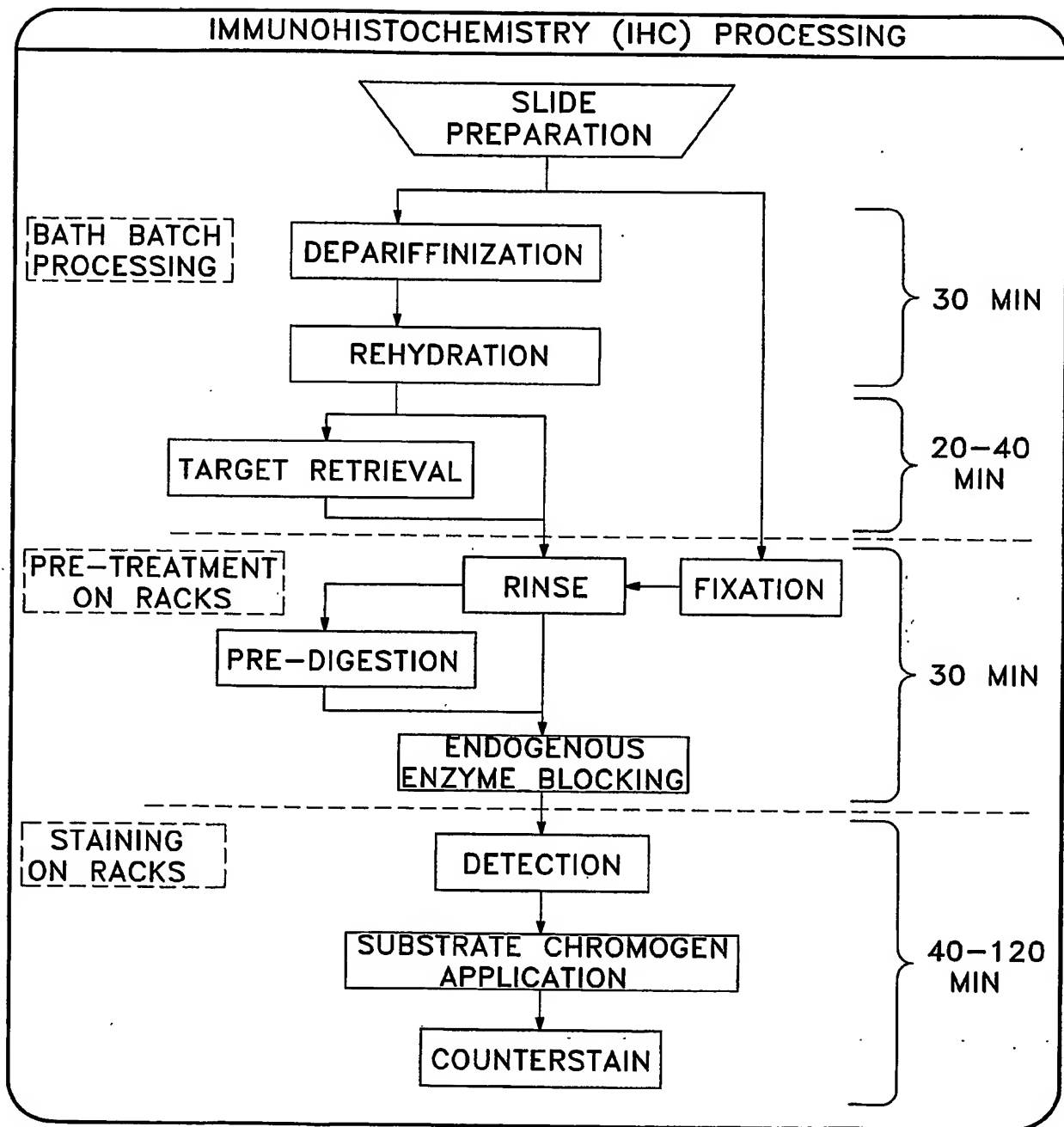


Fig. 7

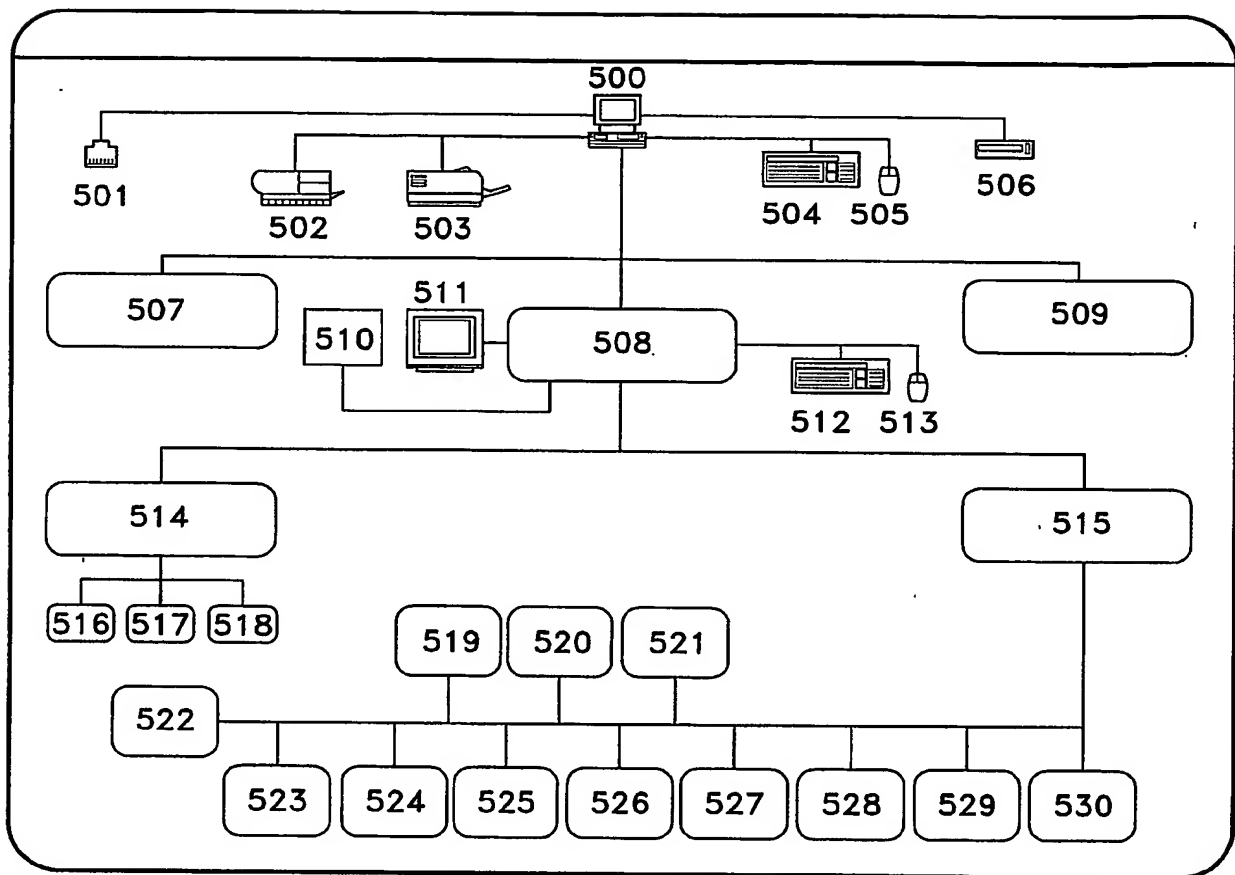
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IHC Deparaffinization Process:

Process	Protocol Step	Time (min)	Temp C	Waste Segregation
Deparaffinization	Switch			Hazardous Waste
	Histoclear	5		
	Drain			
	Histoclear	5		
	Drain			/
Re-Hydration	100% Ethanol	5		
	Drain			
	100% Ethanol	5		
	Drain			
	95% Ethanol	5		
	Drain			
	95% Ethanol	5		
	Rinse - Water	5		
	Switch			Non-Hazardous Waste
Target Retrieval	Target Retrieval	20	95	
	Target Retrieval Cool	20	55	
	Rinse - Water	5	RT	
Enzyme/Antibody Application	Peroxide Block	5		
	Enzyme Pretreatment	5		
	Rinse - Buffer			
	Pre-Diluted Antibody	10		
	Rinse - Buffer			
	EnVision-HRP	10		
Chromogen/ Counterstain Treatment	Rinse - Buffer			
	Switch			Hazardous Waste
	DAB	5		
	Rinse - Buffer			
	Hematoxylin	5		
	Rinse - Water			

Fig. 8

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Key to Figure 9

500 Manager	516 X-Axis
501 100 BaseT	517 Y-Axis
502 Laser printer	518 Z-Axis
503 Label Printer	519 LCD Touch
504 Keyboard	520 Probe Wash/Swap
505 Mouse	521 Misc PCBA
506 Storage Media	522 Cart PCBA
507 Stainer A Embedded PC	523 Drawer 1 Control
508 Stainer B Embedded PC	524 Drawer 2 Control
509 Stainer C Embedded PC	525 Drawer 3 Control
510 Touch Screen	526 Drawer 4 Control
511 Monitor	527 Drawer 5 Control
512 Keyboard	528 Drawer 6 Control
513 Mouse	529 Drawer 7 Control
514 Motor Controller	530 Drawer 8 Control
515 Master PCBA	

Fig. 9

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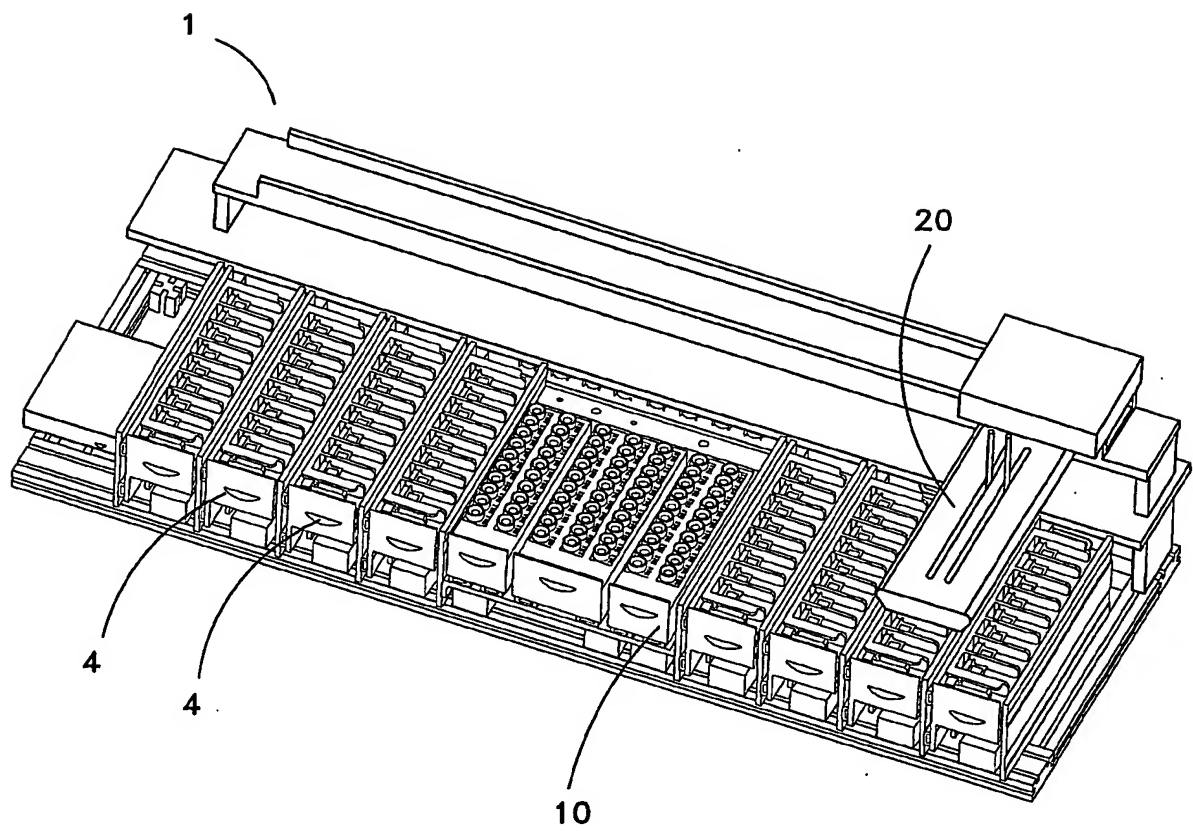


Fig. 10

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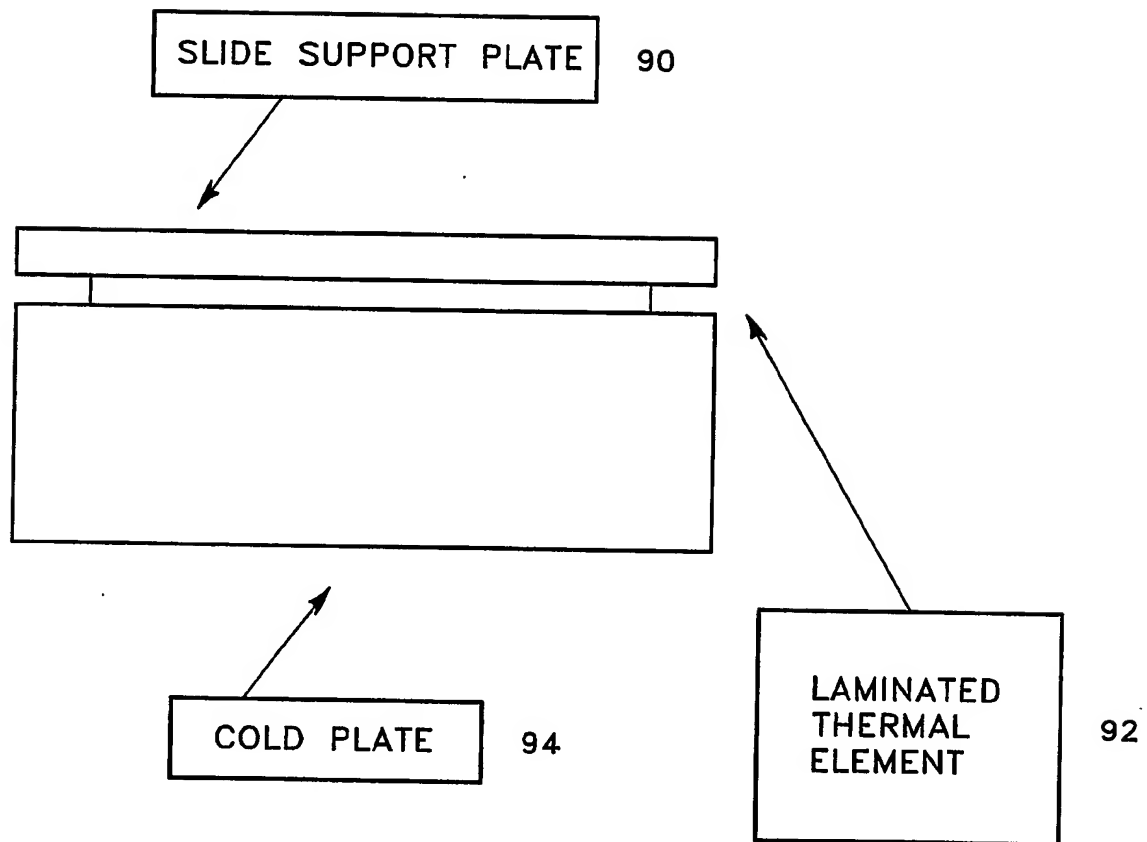


Fig. 11

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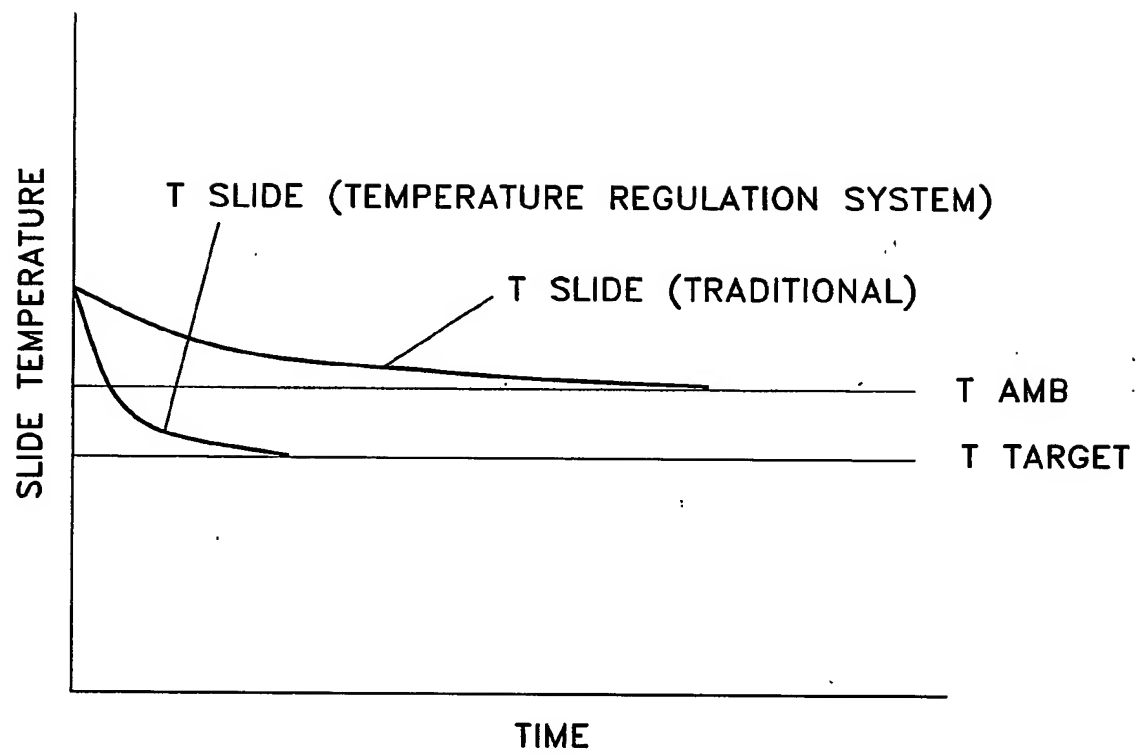


Fig. 12

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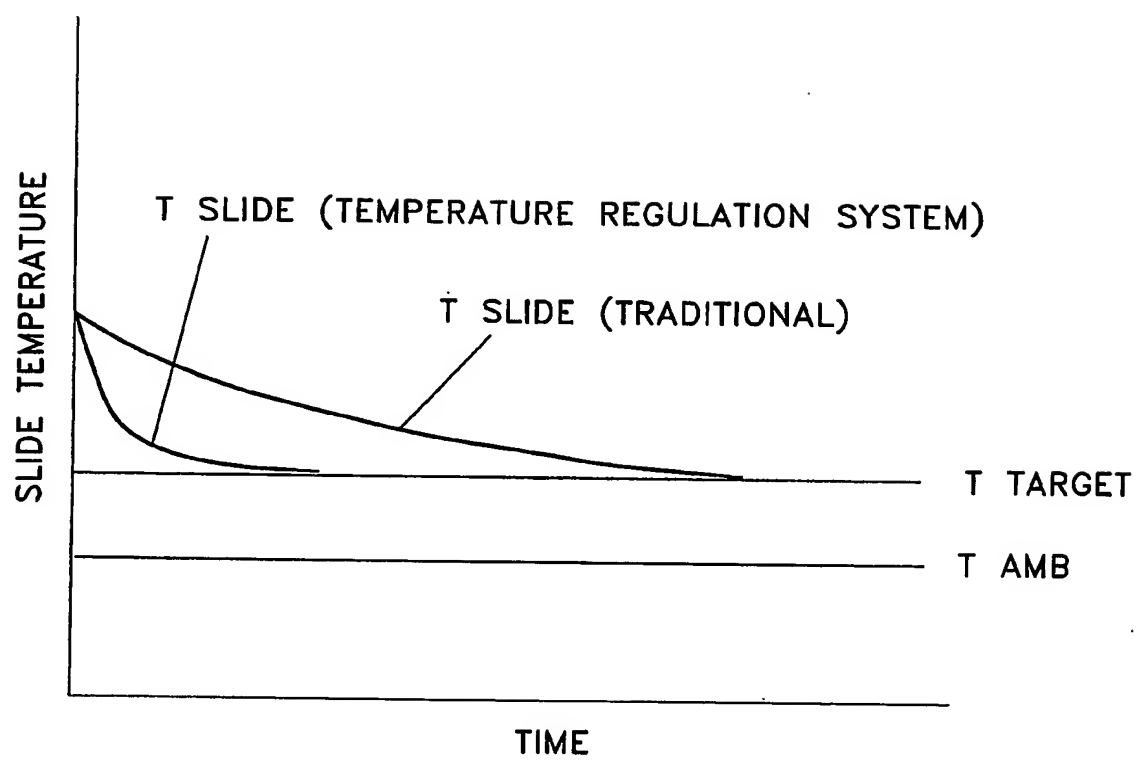


Fig. 13

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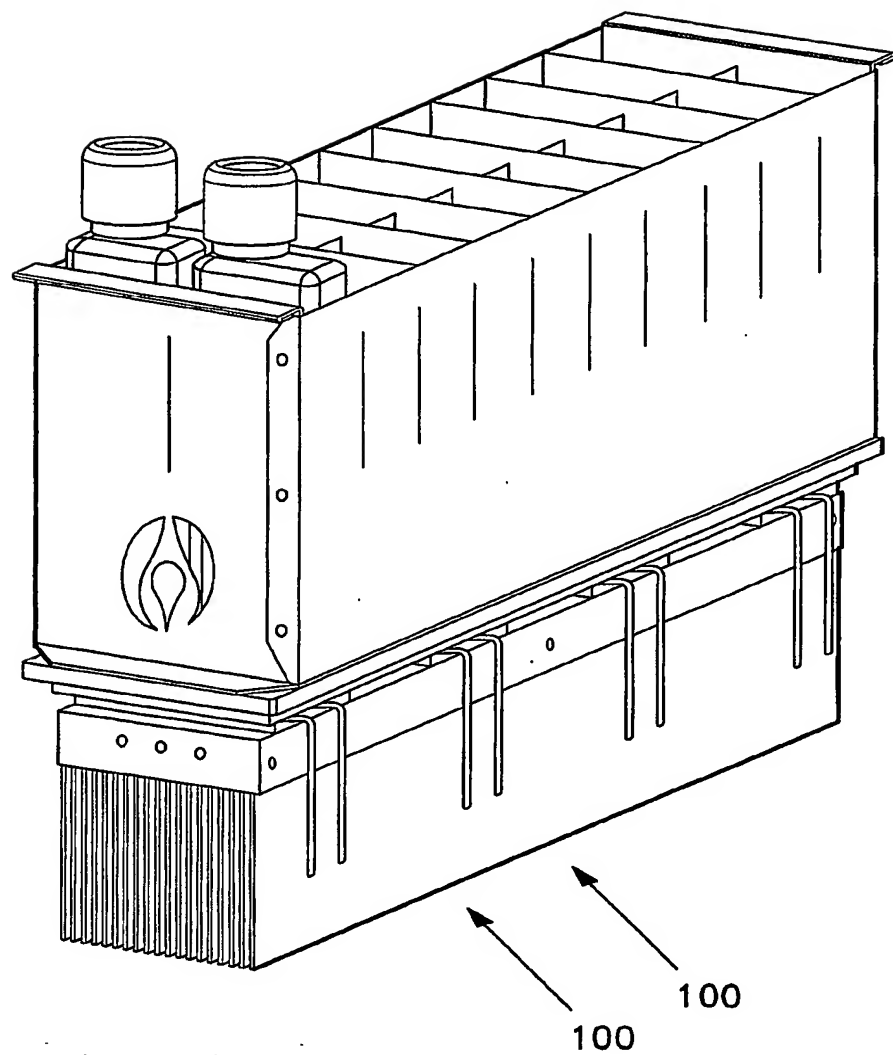


Fig. 14